GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 1 of 15 Print Date 11/26/2018

SAFETY DATA SHEET

GB GREEN 350C UV GLNY

Section 1. Identification)n	
GHS product identifier	:	GB GREEN 350C UV GLNY
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	CC10164396
Product type	:	solid
<u>Relevant identified uses of the subs</u> Product use	tance	e or mixture and uses advised against Industrial applications. Plastics.
I found use	•	industrial approactions. Flustices.
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		
Signal word	:	No signal word.
		1/15

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 2 of 15 Print Date 11/26/2018

Hazard statements

No known significant effects or critical hazards.

Precautionary statements

General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10164396

CAS number/other identifiers

Ingredient name	%	CAS number
Carbon black	0.3 - 1	1333-86-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of

<u>yOne</u>

GB GREEN 350C UV GLNY

Version Number 1.4	Page 3 of 15
Revision Date 09/14/2018	Print Date 11/26/2018

		inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion	::	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical atte	ntio	n and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.

P<u>olyOne</u>

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 4 of 15 Print Date 11/26/2018

Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for contain	ment a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 5 of 15 Print Date 11/26/2018

Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
Carbon black		OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3
		OSHA PEL (1993-06-30) TWA 3.5 mg/m3 NIOSH REL (1994-06-01)
		TWA 3.5 mg/m3 TWA 0.1 mgPAH/m ³
		ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of

<u>vOne</u>

GB GREEN 350C UV GLNY

Version Number 1.4	Page 6 of 15
Revision Date 09/14/2018	Print Date 11/26/2018

environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures Eye/face protection	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

:	solid [Pellets.]
:	GREEN
:	Faint odor.
:	Not available.
:	Not available.
:	Not available.
	:

6/15

'One

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 7 of 15 Print Date 11/26/2018

Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	insoluble in water.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
U		Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity



GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 8 of 15 Print Date 11/26/2018

Product/ingredient name	Result	Species	Dose	Exposure		
Carbon black		· •	•	· •		
	LD50 Oral	Rat	15,400 mg/	'kg -		
Remarks - Inhalation:	No applicable to	oxicity data				
Remarks - Dermal:	No applicable to	No applicable toxicity data				
Conclusion/Summary	: Miz	xture.Not fully	ested.			
Irritation/Corrosion						
Conclusion/Summary						
Skin		xture.Not fully				
Eyes		xture.Not fully				
Respiratory	: Miz	xture.Not fully	ested.			
<u>Sensitization</u>						
Conclusion/Summary						
Skin		xture.Not fully				
Respiratory	: Miz	xture.Not fully	ested.			
<u>Mutagenicity</u>						
Conclusion/Summary	: Miz	xture.Not fully	ested.			
Carcinogenicity						
Conclusion/Summary <u>Classification</u>	: Miz	xture.Not fully	ested.			
Product/ingredient	OSHA	IARC	NTP			
name						
Carbon black		2B				
<u>Reproductive toxicity</u>						
Conclusion/Summary	: Miz	xture.Not fully	ested.			
<u>Teratogenicity</u>						
Conclusion/Summary	: Miz	xture.Not fully	ested.			
Specific target organ toxicity Not available.	<u>y (single exposur</u>	<u>e)</u>				
Specific target organ toxicity	y (repeated expos	<u>sure)</u>				

<u>PolyOne</u>

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 9 of 15 Print Date 11/26/2018

Not available.

<u>Aspiration hazard</u> Not available.					
Information on likely routes of exposure	:	Not available.			
Potential acute health effects					
Eye contact	:	No known significant effects or critical hazards.			
Inhalation	:	No known significant effects or critical hazards.			
Skin contact	:	No known significant effects or critical hazards.			
Ingestion	:	No known significant effects or critical hazards.			
Symptoms related to the physical, c	hemi	cal and toxicological characteristics			
Eye contact	:	No specific data.			
Inhalation	:	No specific data.			
Skin contact	:	No specific data.			
Ingestion	:	No specific data.			
Delayed and immediate effects as well as chronic effects from short and long-term exposure					
Short term exposure					
Potential immediate effects	:	Not available.			
Potential delayed effects	:	Not available.			
Long term exposure					
Potential immediate effects	:	Not available.			
Potential delayed effects	:	Not available.			
Potential chronic health effects					
Conclusion/Summary	:	Mixture.Not fully tested.			
General	:	No known significant effects or critical hazards.			
Carcinogenicity	:	No known significant effects or critical hazards.			
Mutagenicity	:	No known significant effects or critical hazards.			
Teratogenicity	:	No known significant effects or critical hazards.			
Developmental effects	:	No known significant effects or critical hazards.			
Fertility effects	:	No known significant effects or critical hazards.			

PolyOne

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 10 of 15 Print Date 11/26/2018

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result		Species	Exposure			
Carbon black							
Remarks - Acute - Fish:	No applicat	ble toxicity data					
	Acute EC5	0 37.563 Mg/l Fresh	Aquatic invertebrates.	48 h			
	water		Daphnia				
Remarks - Acute - Aquatic	Acute						
invertebrates.:							
Remarks - Acute - Aquatic	No applica	ble toxicity data					
plants:							
Remarks - Chronic - Fish:	No applicat	ble toxicity data					
Remarks - Chronic -	No applica	ble toxicity data					
Aquatic invertebrates.:		-					
GB GREEN 350C UV GLNY							
Remarks - Acute - Aquatic	Chemicals	are not readily available	as they are bound within th	e polymer matrix.			
invertebrates.:		-	-				
Conclusion/Summary	:	Chemicals are not read	lily available as they are bou	ind within the			
-		polymer matrix.					
Persistence and degradability	<u>v</u>						
Conclusion/Summary	: Chemicals are not readily available as they are bound within the						
		polymer matrix.					
Conclusion/Summary	:		lily available as they are bou	ind within the			
		polymer matrix.					
Bioaccumulative potential							
Not available.							

Mobility in soil

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 11 of 15 Print Date 11/26/2018

:	Not available.
:	No known significant effects or critical hazards.
	:

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

Section 15. Regulatory information

U.S. Federal regulations	: United States - TSCA 12(b) - Chemical export notification: Not	ne
	of the components are listed.	
	United States - TSCA 4(a) - Final Test Rules: Not listed	
	United States - TSCA 4(a) - ITC Priority list: Not listed	
	11/15	

GB GREEN 350C UV GLNY

Version Number 1.4				
Revision Date	09/14/2018			

United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Zinc sulfide Phthalocyanine green Rutile, antimony chromium buff Chromium (III) oxide United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b)	:	Listed
Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II		Not listed
Substances	•	
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential Chemicals)	:	Not listed
	•	Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

ne

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 13 of 15 Print Date 11/26/2018

not applicable

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

Name	%	Classification
Carbon black	0.3 - 1	СН

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Zinc sulfide	1314-98-3	1 - 3
	Rutile, antimony chromium buff	68186-90-3	5 - 10
	Chromium (III) oxide	1308-38-9	10 - 25
Supplier notification	Zinc sulfide	1314-98-3	1 - 3
	Rutile, antimony chromium buff	68186-90-3	5 - 10
	Chromium (III) oxide	1308-38-9	10 - 25

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.
New Jersey	:	The following components are listed:
		Rutile, antimony chromium buff
		Chromium (III) oxide
		Phthalocyanine green
		Zinc sulfide
		Carbon black
Pennsylvania	:	The following components are listed:
		Zinc sulfide
		Carbon black
		Phthalocyanine green
		13/15

GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018 Page 14 of 15 Print Date 11/26/2018

Rutile, antimony chromium buff

Chromium (III) oxide

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	Not determined.
International regulations		
Inventory list		
Australia	:	All components are listed or exempted.
Canada	:	Not determined.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	All components are listed or exempted.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.



GB GREEN 350C UV GLNY

Version Number 1.4 Revision Date 09/14/2018

Page 15 of 15 Print Date 11/26/2018

History		
Date of printing	:	11/26/2018
Date of issue/Date of revision	:	09/14/2018
Date of previous issue	:	01/09/2018
Version	:	1.4
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	:	Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.